

Seymour Allotment Acreage Summary for Each Interpretation by Risk Level

Seymour Allotment Interpretation \ Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	450	215	610	469	250
Compaction Risk	644		418		931
Hummocking Risk	644		418		931

Plot Data Summary for the Seymour Allotment

Number of Plots	% Soil Cover	% Bare Soil	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
47	80-100	0-20	0-11 cm	9-26 cm	9-26+ cm	17 plots	No	2 plots with no turf
2	50-79	21-50	0-4 cm	20-23 cm	20-23+ cm	0 plot	No	2 plots with no turf
4	20-49	51-80	0-5 cm	15-20 cm	11-20 cm	0 plots	No	2 plots with no turf
4	0-19	81-100	0-5 cm	18-20 cm	18-20 cm	2 plots	No	3 plots with no turf, 2 of these with disturbance from burrowing animals

Fishtrap Allotment Acreage Summary for Each Interpretation by Risk Level

Fishtrap Allotment Interpretation \ Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	105	43	84	173	124
Compaction Risk	232		95		203
Hummocking Risk	232		19		278

Plot Data Summary for the Fishtrap Allotment

Number of Plots	% Soil Cover	% Bare Soil	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
29	80-100	0-20	0-7 cm	15-27 cm	15-27+ cm	13 plots	No	3 plots with strong platy structure, not root limiting
4	50-79	21-50	0-3 cm	10-13 cm	15-18+ cm	0 plots	No	
1	20-49	51-80	3 cm	14 cm	14+ cm	1 plot	No	Weak medium platy structure
3	0-19	81-100	0 cm	4-28+ cm	4-28+ cm	2 plots	No	2 plots with strong platy structure, not root limiting

Mudd Creek Allotment Acreage Summary for Each Interpretation by Risk Level

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	92	0	125	467	55
Compaction Risk	92		484		163
Hummocking Risk	92		0		647

Plot Data Summary for the Mudd Creek Allotment.

# of Plots	% Soil Cover	% Bare Soil	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
19	80-100	0-20	1-8cm	10-38cm	9-33cm	13 plots	None	6 plots with strong platy structure, all with roots
2	50-79	21-50	0-3cm	30-36cm	30-36cm	2 plots	None	roots through platy structure
0	20-49	51-80	n/a	n/a	n/a	n/a	n/a	
2	0-19	81-100	0	21-27cm	8-16cm	2 plots	None	1 plot with strong platy structure, with roots

Erosion, Compaction, and Hummocking Risk for Soils in the Pintlar Creek Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	304	0	154	415	108
Compaction Risk	379		387		215
Hummocking Risk	379		0		602

Plot Data Summary for the Pintlar Creek Allotment.

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
206	80-100	0-20	0-9cm	5 plots measured, 18-25cm	7.5-33 cm	1 of 11 Plots	None	11 plots w soil data, 1 Plot with strong platy structure and with vertical roots
9	50-79	21-50	5cm	na	10cm	n	None	1 plot w soil data
5	20-49	51-80	na	na	na	na	na	
14	0-19	81-100	na	20+ & 25+cm	20+ & 25+cm	y	None	2 Plots w soil data, 1 plot w moderate platy structure and with roots

Erosion, Compaction, and Hummocking Risk for Soils in the Mussigbrod Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	54	490	40	0	40
Compaction Risk	110		0		514
Hummocking Risk	110		0		514

Plot Data Summary for the Mussigbrod Allotment.

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
31	80-100	0-20	0-15cm	12-26+cm	12-26+cm	1	0	1 plot w mod. platy structure, many plots burned in 2000.
6	50-79	21-50	0-10cm	11-26+cm	11-26+cm	0	0	Many plots burned in 2000
3	20-49	51-80	0-7cm	13-18+cm	13-18+cm	0	0	Many plots burned in 2000
3	0-19	81-100	0-2cm	11-17cm	11-23+cm	0	0	Many plots burned in 2000

Erosion, Compaction, and Hummocking Risk for Soils in the Ruby Creek Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	465	810	62	164	320
Compaction Risk	1410		35		376
Hummocking Risk	1410		6		405

Plot Data Summary for the Ruby Creek Allotment.

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
36	80-100	0-20	0-8cm	10-24cm	10-24cm	1	0	34 plots had less than 10% bare soil. Platy structure on 1 plot-not detrimental
4	50-79	21-50	0-4cm	10-13cm	0-13cm	0	0	
2	20-49	51-80	0cm	16-23cm	16-23cm	1	0	Platy structure on 1 plot-not detrimental
5	0-19	81-100	0cm	9-21cm	6-21+cm	0	0	

Erosion, Compaction, and Hummocking Risk for Soils in the Dry Creek Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	81	0	2	0	289
Compaction Risk	83		0		289
Hummocking Risk	83		0		289

Plot Data Summary for the Dry Creek Allotment.

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
4	80-100	0-20	3-8cm	14-20cm	14-20+cm	0 plots	none	Based on 4 soil pits
1	50-79	21-50	na	na	na	na	na	No soil pit opened
5	20-49	51-80	0cm	15-19cm	15-19+cm	0 plots	none	Based on 3 soil pits, 2 plots without pits
0	0-19	81-100	na	na	na	na	na	No plots with >80% bare soil

Erosion, Compaction, and Hummocking Risk for Soils in the Twin Lakes Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	118	196	141	38	232
Compaction Risk	455		0		270
Hummocking Risk	455		0		270

Plot Data Summary for the Twin Lakes Allotment.

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
13	80-100	0-20	2-8cm	10-26cm	10-26cm	1 plot	None	Weak, thin, platy structure from alluvial deposition. Six plots with soil pits.
0	50-79	21-50	n/a	n/a	n/a	n/a	n/a	n/a
4	20-49	51-80	0	18cm	18cm	None	None	1 plot with a soil pit
0	0-19	81-100	n/a	n/a	n/a	n/a	n/a	n/a

Erosion, Compaction, and Hummocking Risk for Soils in the Monument Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	184	769	85	17	466
Compaction Risk	1038		0		483
Hummocking Risk	1038		0		483

Erosion, Compaction, and Hummocking Risk for Soils in the Pioneer Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	94	612	0	239	314
Compaction Risk	693		0		566
Hummocking Risk	693		0		566

Plot Data Summary for the Pioneer Allotment

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
11	80-100	0-20	2.5-8cm	11-30cm	11-30cm	no	no	6 plots with soil data
4	50-79	21-50	na	na	na	na	no	only surface measurements
0	20-49	51-80	na	na	na	na	na	na
2	0-19	81-100	0	7-9cm	7-15+cm	1 plot	no	2 plots with soil data, roots in platy layer

. Erosion, Compaction, and Hummocking Risk for Soils in the Saginaw Allotment.

Interpretation/Rating	High	High Moderate	Moderate	Moderate Slight	Slight
	Acres	Acres	Acres	Acres	Acres
Erosion Risk	0	87	1104	644	124
Compaction Risk	87		622		1250
Hummocking Risk	87		622		1250

Plot Data Summary for the Saginaw Allotment.

Number of Plots	% Soil Cover	% Bare Ground	Turf Thickness	Rooting Depth	A Horizon Depth	Platy Structure	Detrimental Disturbance	Comments
10	80-100	0-20	2.5-5cm	12-28cm+	12-28cm+	0	no	5 plots with a soil pit
3	50-79	21-50	0-3cm	10-20cm	10-20cm	0	no	All plots with a soil pit
0	20-49	51-80	na	na	na	na	na	na
2	0-19	81-100	0	15-20cm	15-20cm	0	no	All plots with a soil pit